

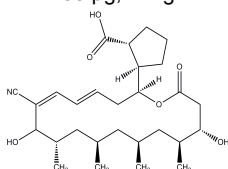
PRODUCT: Borrelidin

ALTERNATE NAME: Treponemycin; U 78548; C2989

CATALOG #: 2367-250, 1000

AMOUNT: 250 µg, 1 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₈H₄₃NO₆

MOLECULAR WEIGHT: 489.64

CAS NUMBER: 7184-60-3

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: At -20° C. Protect from light and moisture

DESCRIPTION: A macrolide antibiotic isolated from *Streptomyces* sp. An antiangiogenic (IC₅₀ = 0.8 nM) agent. Bacterial and eukaryal threonyl-tRNA synthetase (ThrRS) inhibitor. Induces the collapse of formed capillary tubes in a dose-dependent fashion. In HUVECs, the capillary tube collapsing activity is mediated by the activation of caspases-3 and -8 and induction of apoptosis. Also acts as a CDK inhibitor.

REFERENCE: Kawamura, T., *et al.* (2003). *J. Antibiot.* **56**, 709-715;
Wakabayashi, T., *et al.* (1997). *J. Antibiot.* **50**, 671-676.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ABT-869 (Cat. No. 1615-1, 5)
 Angiostatin, Human (Cat. No. 4919-100, 500)
 Angiostatin, K1-3, Human (Cat. No. 4920-20, 100, 500)
 BAY 43-9006 (Cat. No. 1594-25, 100)
 BAY 43-9006, Free base (Cat. No. 2142-25, 100)
 EZSolution™ BAY 43-9006 (Cat. No. 2031-25)
 BIBF1120 (Cat. No. 2167-5, 25)
 Carbozantinib (Cat. No. 1935-5, 25)
 Castanospermine (Cat. No. 2293-10, 50)
 Cediranib (Cat. No. 1613-1, 5)
 Endostatin, human recombinant (Cat. No. 4759-20, 100, 100)
 Alpha-Glucosidase Activity Colorimetric Assay Kit (Cat. No. K690-100)
 GW-786034 (Cat. No. 1916-5, 25)
 Motesanib (Cat. No. 2022-5, 25)
 SU 1498 (Cat. No. 1836-1, 5)
 SU 6 Thiabendazole (Cat. No. 2161-1G)
 Tranilast (Cat. No. 1876-10, 50)
 668 (Cat. No. 1931-5, 25)
 Vandetanib (Cat. No. 1751-25, 100)
 Vatalanib, dihydrochloride (Cat. No. 2025-5, 25)
 Vatalanib, Free base (Cat. No. 2026-5, 25)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**